

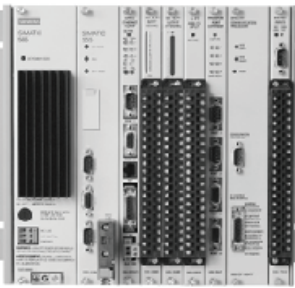




CPU		
I/O		
Power Supply		
Batterier		Batterier fra lager
Ombytning- og reparationsservice		<p>Reparationer foretages på ca. 5 uger eller ombyttes omgående.</p> <p>Det er også muligt for at købe brugte/nye enheder</p>

2500 Series Controllers Preliminary Product Bulletin

CTI 505 System 2500 Series Controllers



Description

The 2500 Series Controllers bring exciting new features and a new level of process performance to 505 Control Systems. The C100 and C200 models easily handle medium to large discrete control applications, as well as basic process applications. The C300 and C400 models are equipped to handle large process applications with many PID loops and alarms, and special mathematical functions. The 2500 Series Controllers are designed to seamlessly replace all 545 and 555 controllers while providing much higher performance at lower cost. The controllers are supported by a complete range of digital, analog, and specialized I/O modules, power supplies, and I/O bases, all available from CTI.

FEATURES

- Replace all Siemens® 545 and 555 models
- Built-in Ethernet and USB ports for programming
- Built-in SD Flash card for program storage
- Built-in Profibus and RS485 Remote I/O on C200, C300, and C400 models
- Up to 3Mbytes memory, 8192 I/O points, 256 PID loops and 512 alarms, depending on model
- Compatible with 505 Workshop, Tisoft, and APT

SPECIFICATIONS

Ports:

Ethernet, 100Mbit, RJ45
RS232C: DB9 male
USB slave
Profibus: 12Mbit, DB9 female
Remote I/O: DB9 male
SD Flash card: up to 8G bytes

User Memory:

2500-C100: 128K
2500-C200: 256K
2500-C300: 512K
2500-C400: 3072K

Loops / Alarms:

2500-C100: 16 / 32
2500-C200: 64 / 128
2500-C300: 256 / 512
2500-C400: 256 / 512

Status Display:

3-Digit LED display for system status and error reporting

Backplane Power: 7 Watts (maximum)

Operating Temperature: 0° to 60°C

Storage Temperature: -40° to 85°C

Relative Humidity: 5% to 95%

Agency Approvals Pending:

UL, ULC, FM (Class 1, Div. 2), CE

Shipping Weight: 1.5 lb. (0.68 Kg)



APTnet

NETWORK PROGRAMMING FOR APT®

Finally! – Use APT® over Ethernet using Windows and the CTI 2572-A

Overview - Application Productivity Tool (APT®) is the system of choice for development and operation of many process control applications using 505. However, as a legacy DOS application, APT® has always been limited to connecting to the PLC using a serial port. With APTnet you can now use APT® to communicate with any 505 system in your plant using Ethernet and the CTI 2572-A. Using APTnet, you'll be able to:



- connect to any PLC using its IP address
- communicate at much higher speeds than possible with serial connections
- perform any operation that was possible serially, including program upload and download
- eliminate compatibility and performance problems when using APT™ serially with a new laptop and WIN2000 or WINXP

APT® users have historically been limited to programming serially using the PLC programming port. Besides the inconvenience, this method involves very long download times on the large programs that are typical of APT® systems. Several years ago, Siemens® offered a solution using a DOS network stack, a specific NIC installed in the PC, and a CTI 2572 Ethernet module. Unfortunately the system was difficult to install and maintain, and Siemens® stopped supporting it after a while.

Now, CTI brings the capability back and makes it even better than before! Using our APTnet package and the CTI 2572-A Fast Ethernet Module, you can program the PLC using APT® and any standard NIC supported by Windows. And there's no complicated setup! Because of the advanced capabilities of APTnet and the 2572-A, downloads of large programs are dramatically faster. In a benchmark test, APTnet downloaded a program in 4 minutes vs 40 minutes using a serial download. Actual speed differences will vary depending on program size, PC performance, and network loading.

APTnet is available as a single copy (CTI model 3102) or as a site license (model 3103). For more information on APTnet, contact CTI or your CTI distributor.

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2500-C300 CPU with 512K User Memory
2500-C400 CPU with 3072K User Memory

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2512 75-Watt AC Power Supply
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2515 100-Watt AC Power Supply

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2500-RIO RS-485 Remote Base Controller

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2582 16-Point Isolated 125VDC Input Module
2585 16-Point TTL/Word Input Module

Digital Inputs (continued)

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2590-A 16-Point Isolated 20-132 VAC Output Module

2590-EF 16-Point Isolated 20-132 VAC Output with Front
Panel Accessible Fuses

2591-A 16-Point Isolated 11-146 VDC Output Module

2591-EF 16-Point Isolated 11-146 VDC Output with Front
Panel Accessible Fuses

2595 16-Point TTL/Word Output Module

2596-8 8-Point 11-125 VDC Output Module

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2598-8 8-Point 11-240 VAC Output Module

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Analog Outputs

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Vibration Monitoring

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Ethernet Switch

3570A-5C Ethernet Switch, five RJ45 ports
3570A-1F Ethernet Switch, four RJ45 ports, one fiber port
3570A-2F Ethernet Switch, three RJ45 ports, 2 fiber ports
3570A-3F Ethernet Switch, two RJ45 ports, 3 fiber ports

Series 500 Adapters

2500-IADP I/O Adapter for Series 500
2500-PADP Power Supply Adapter for Series 500

CTI Replacement Model Numbers for Siemens Products

Siemens® Model #	CTI Replacement Model #	Siemens® Model #	CTI Replacement Model #
505-CP2572	2572 or 2572-A	505-4716	2596 / 2597
505-2555	2555-A	505-4732	2597
505-2556	2556	505-4808	2598 / 2598-8 / 2599
505-2557	2557	505-4816	2598 / 2599
505-2571	2573-MOD	505-4832	2599
505-2580	2580	505-4908	2534
505-2590-A	2590-A	505-4916-A	2532
505-4008-A	2588-8 / 2589-A	505-4932-A	2531
505-4016-A	2589-A	505-6108-A	2558
505-4032-A	2589-A	505-6108-B	2558
505-4208-A	2588-8 / 2589-A	505-6208-A	2562
505-4216-A	2589-A	505-6208-B	2562
505-4232-A	2589-A	505-6504	2500-R4
505-4308	2588-8 / 2589-A	505-6508	2500-R8
505-4316	2589-A	505-6516	2500-R16
505-4316-A	2589-A	505-6660	2512 / 2515
505-4332	2589-A	505-6660-A	2512 / 2515
505-4408-A	2588-8 / 2589-A	505-6660-B	2512 / 2515
505-4416-A	2589-A	505-6663	2513
505-4432-A	2589-A	505-6851-A	2500-RIO
505-4508	2596 / 2596-8 / 2597	505-6851-B	2500-RIO
505-4516	2596 / 2597	505-6870	2500-RBC
505-4532	2597	505-7002	2502
505-4608	2598 / 2598-8 / 2599	505-7003	2502 (requires rewiring)
505-4616	2598 / 2599	505-7012	2501
505-4632	2599	505-7016	2501
505-4708	2596, 2596-8, 2597	505-7028	2559-TC

CTI Replacement Model Numbers for Siemens Products

Siemens® Model #	CTI Replacement Model #	Siemens® Model #	CTI Replacement Model #
505-7038	2559-RTD		
545-1101	2500-C200		
545-1102	2500-C200		
545-1103	2500-C100		
545-1104	2500-C200		
545-1105	2500-C100		
545-1106	2500-C200		
555-1101	2500-C300		
555-1102	2500-C400		
555-1103	2500-C300		
555-1104	2500-C400		
555-1105	2500-C300		
555-1106	2500-C400		



2500-C100 CPU with 128K User Memory

The 2500-C100 CPU provides discrete, analog, loop, advanced mathematical and high-speed sequential control capability for your CTI 2500 Series or Simatic® 505 control system.

Features:

- ◆ Replaces Siemens® 545-1103, 1105
- ◆ 128K user memory
- ◆ 1024 digital / 1024 analog I/O
- ◆ 16 loops / 32 alarms
- ◆ Built-in Ethernet for MMI and programming
- ◆ Built-in USB for programming
- ◆ Built-in SD flash card slot for program backup and documentation



2500-C200 CPU with 256K User Memory

The 2500-C200 CPU provides discrete, analog, loop, advanced mathematical, and high-speed sequential control capability for your CTI 2500 Series or Simatic® 505 control system.

Features:

- ◆ Replaces Siemens® 545-1101, 1102, 1104, 1106
- ◆ 256K user memory
- ◆ 2048 digital / 1024 analog I/O
- ◆ 64 loops / 128 alarms
- ◆ Built-in Ethernet for MMI and programming
- ◆ Built-in USB for programming
- ◆ Profibus-DP master and RS485 Remote I/O ports
- ◆ Built-in SD flash card slot for program backup and documentation



2500-C300 CPU with 512K User Memory

The 2500-C300 CPU provides discrete, analog, loop, advanced mathematical, and high-speed sequential control capability for your CTI 2500 Series or Simatic® 505 control system.

Features:

- ◆ Replaces Siemens® 555-1101, 1103, 1105
- ◆ 512K user memory
- ◆ 8192 digital / 8192 analog I/O
- ◆ 256 loops / 512 alarms
- ◆ Built-in Ethernet for MMI and programming
- ◆ Built-in USB for programming
- ◆ Profibus-DP master and RS485 Remote I/O ports
- ◆ Built-in SD flash card slot for program backup and documentation

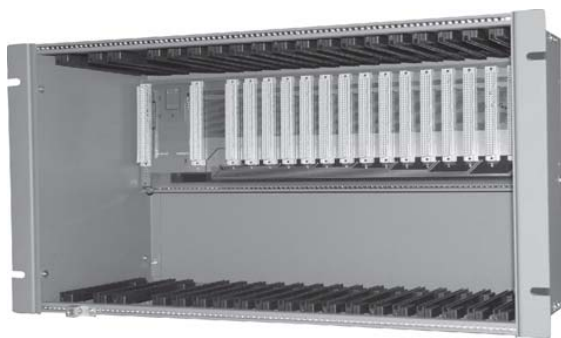


2500-C400 CPU with 3072K User Memory

The 2500-C400 CPU provides discrete, analog, loop, advanced mathematical, and high-speed sequential control capability for your CTI 2500 Series or Simatic® 505 control system.

Features:

- ◆ Replaces Siemens® 555-1102, 1104, 1106
- ◆ 3072K user memory
- ◆ 8192 digital / 8192 analog I/O
- ◆ 256 loops / 512 alarms
- ◆ Built-in Ethernet for MMI and programming
- ◆ Built-in USB for programming
- ◆ Profibus-DP master and RS485 Remote I/O ports
- ◆ Built-in SD flash card slot for program backup and documentation



2500-R4 / 2500-R8 / 2500-R16 Four, Eight & Sixteen Slot Base

The 2500-R4 / R8 / R16 provides four, eight or sixteen slots for industrial I/O for your CTI 2500 Series or Simatic® 505 system. The bases provide space for a 3-slot wide power supply, a dual-wide CPU or Remote Base Controller (RBC), and slots for up to 16 I/O modules. Mounting may be achieved by front or rear mounting hardware.

Features:

- ◆ 2500-R4 replaces Siemens® 505-6504
- ◆ 2500-R8 replaces Siemens® 505-6506
- ◆ 2500-R16 replaces Siemens® 505-6516



2500-RBC Profibus Remote Base Controller

The 2500-RBC Profibus Remote Base Controller (RBC), allows a CTI 2500 Series or Simatic® 505 I/O base to function as a slave node on a PROFIBUS-DP I/O channel. The Remote Base Controller is intended to be a replacement for the Siemens® 505-6870 RBC.

Features:

- ◆ Replaces Siemens® 505-6870; compatible with Siemens® S5 and S7, as well as Siemens® 505, masters
- ◆ Can be used in all currently available CTI and Siemens® 4, 8, and 16 slot bases
- ◆ Supports communication speeds from 9.6 Kbaud (maximum cable distance per segment: 1200 m) up to 12 Mbaud (maximum cable distance per segment: 100 m)

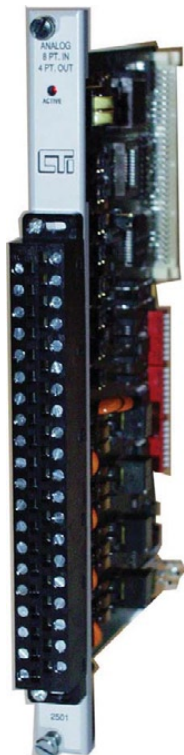


2500-RIO RS-485 Remote Base Controller

The 2500-RIO RS485 Remote Base Controller allows control of a remotely-located CTI 2500 Series or Simatic® 505 I/O base over a twisted-pair RS485 cable up to 1000m from the CPU.

Features:

- ◆ Replaces Siemens® 505-6851-A and 505-6851-B with no rewiring
- ◆ Can be used in all currently available CTI and Siemens® 4, 8, and 16-slot bases
- ◆ Up to 15 remote bases can be attached to a CPU
- ◆ Maximum cable distance between CPU and remote base is 1000m



2501 8in/4out Analog Module

The 2501 module provides eight channels of analog input and four channels of analog output in a compact, single-wide module to fit in the CTI 2500 Series or Simatic® 505 I/O base.

Features:

- ◆ Replaces Siemens® 505-7012 and 505-7016 with no rewiring
- ◆ Fast 6mSec update time for all channels
- ◆ Selectable input/output or input-only operating modes
- ◆ Bipolar or unipolar inputs per channel
- ◆ Inputs: 1500V channel-to-PLC isolation
- ◆ Outputs:
 - 1500V channel-to-channel isolation
 - Voltage and current outputs available simultaneously
 - Bipolar or unipolar outputs per channel

Coming
in 2007

2502 High Speed Counter Encoder Module

The 2502 is a high-speed counter module designed to count incoming pulses from external sensors and provide process control outputs based on count status.

Features:

- ◆ Replaces Siemens® 505-7002 with no rewiring
- ◆ Replaces Siemens® 505-7003 with wiring changes
- ◆ 2 channels, each with:
 - One 24-bit counter, two 16-bit counters
 - 3 count inputs
 - 3 control inputs
 - 4 outputs
- ◆ Multiple counting modes, including quadrature
- ◆ 1500V channel-to-plc backplane isolation



2505 Vibration Sensor Interface Module

The 2505 Vibration Sensor Interface Module provides four vibration inputs to the CTI2500 Series or Simatic® 505 I/O base. The module is configurable to interface to accelerometers, velocity probes, or proximity probes plus a tachometer input. The module calculates the RMS value of the overall vibration on each channel and passes this value to the controller via the I/O backplane.

Features:

- ◆ Four channels to interface to any vibration sensor plus a tach input
- ◆ Buffered BNC outputs for external analysis equipment
- ◆ Overall RMS and true peak vibration levels computed with high speed ADC
- ◆ Alert and Danger alarm levels with PLC-specified setpoints, time delays, and Trip Multipliers



2507 Vibration Monitoring Module

The 2507 Vibration Monitoring Module provides 8 channels of accelerometer data for vibration monitoring. The module provides overall RMS, peak-peak, DC-bias, and spectral vibration levels to the PLC for each channel.

Features:

- ◆ Single wide module with 8 channels of accelerometer input
- ◆ RMS, True P-P, DC bias, and spectral vibration
- ◆ User-configurable frequency (per channel) for spectral vibration
- ◆ Manual mode option for collecting data
- ◆ Serial output for ADC data download to analysis software



2510 125 VDC/110 VAC Power Supply

The 2510 is a 125 VDC power supply for CTI 2500 Series or Simatic® 505 PLCs. Systems that operate from 125 VDC batteries can use the 2510 to provide power to the PLC.

Features:

- ◆ 125 VDC/110 VAC input power
- ◆ 55 Watts
- ◆ Diagnostic reporting to PLC



2512 75-Watt AC Power Supply

The 2512 is a 120/240VAC Power Supply designed for CTI 2500 Series or Simatic® 505 PLCs. It provides up to 75 watts of power for use by the PLC CPU and I/O modules.

Features:

- ◆ Replaces Siemens® 505-6660, 505-6660-A, and 505-6660-B
- ◆ 90-264VAC, 47-63 Hz single phase input power
- ◆ Up to 75 watts @ +5VDC to PLC CPU and I/O modules



2513 24VDC Power Supply

The 2513 is a 24VDC Power Supply designed for CTI 2500 Series or Simatic® 505 PLCs. It provides up to 75 watts of power for use by the PLC CPU and I/O modules.

Features:

- ◆ Replaces Siemens® 505-6663
- ◆ 20-30 VDC input power
- ◆ Up to 75 watts @ +5VDC to PLC CPU and I/O modules

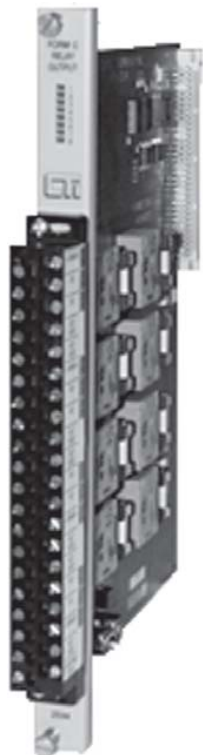


2515 120 VAC Power Supply

The 2515 is a 120 VAC power supply for CTI 2500 Series or Simatic® 505PLCs. The 2515 provides up to 100 watts of power for use by the PLC CPU and I/O modules.

Features:

- ◆ Replaces Siemens® 505-6660, 505-6660-A, and 505-6660-B
- ◆ 90-264 VAC, 47-63 Hz single phase input power
- ◆ 100 Watts @ +5 VDC to PLC CPU and modules



2530 8-Point Form-C Relay Output Module

The 2530 module provides eight isolated Form-C relay outputs for the CTI 2500 Series or Simatic® 505 I/O base. The 2530 is designed for high current applications such as switching motor starters. It is also designed for 125 VDC (nominal) low level current applications and is especially suited for applications in power utility substations.

Features:

- ◆ 8 Form-C relay outputs
- ◆ 1500V channel-to-backplane isolation
- ◆ 6.0 Amps per output
- ◆ Individually fused outputs



2531 32-Point Form-A Relay Output Module

The 2531 module provides 32 Form-A relay outputs for CTI 2500 Series or Simatic® 505 I/O base. The module uses relay output circuits to switch on or off external devices such as pilot lamps, motor starters, or solenoids. The 2531 is designed to switch externally supplied 15 to 240 VAC and 15 to 30 VDC.

Features:

- ◆ Replaces Siemens® 505-4932-A with no rewiring
- ◆ 32 Form-A relay outputs
- ◆ Isolated 1500V group-to-group
- ◆ Isolated 1500V channel-backplane
- ◆ Isolation in groups of 8
- ◆ Individually fused outputs
- ◆ 4.0 Amps per output



2532 16-Point Form-A Relay Output Module

The 2532 module provides 16 Form-A relay outputs isolated in groups of four for the CTI 2500 Series or Simatic® 505 I/O base. The module uses relay output circuits to switch on or off external devices such as pilot lamps, motor starters, or solenoids. The 2532 is designed to switch externally supplied 15 to 240 VAC and 15 to 30 VDC.

Features:

- ◆ Replaces Siemens® 505-4916-A with no rewiring
- ◆ 16 Form-A relay outputs
- ◆ Isolated 1500V group-to-group
- ◆ Isolated 1500V channel-backplane
- ◆ Individually fused outputs
- ◆ 4.0 Amps per output



2534 8-Point Form-C Relay Output Module

The 2534 module provides 8 isolated Form-C relay outputs for the CTI 2500 Series or Simatic® 505 I/O base. The 2534 is designed for high current applications such as switching motor starters. It is also designed for 125 VDC (nominal) low level current applications and is especially suited for applications in power utility substations.

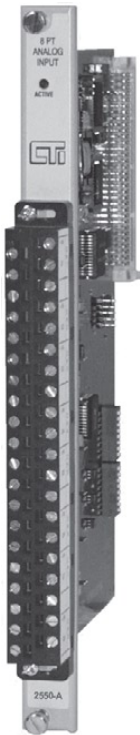
Features:

- ◆ Replaces Siemens® 505-4908 with no rewiring
- ◆ 8 Form-C relay outputs
- ◆ Isolated 1500V channel-to-backplane
- ◆ Wide 15-240 VAC, 15-150 VDC output range
- ◆ Individually fused outputs
- ◆ 4.0 Amps per output



2541 Redundant Processor Manager Module

The 2541 Redundant Processor Manager (RPM) provides an automatic backup solution for CTI 2500 Series or Simatic® 505 PLCs. If the active PLC fails, the RPM will automatically switch the remote I/O to the standby PLC. Transfer to the standby PLC is bumpless. All remote I/O updates are mirrored to the standby PLC. In addition, up to 4096 words of user-defined critical data can be transferred from the active PLC to the standby PLC every scan. Other non-critical data can be transferred over several scans. The RPM can also switch up to two serially attached operator interface devices.

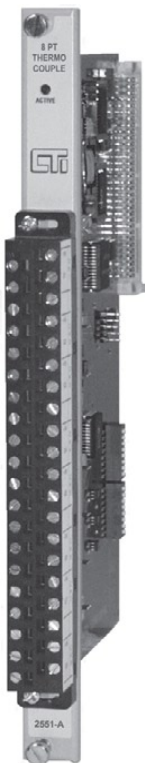


2550-A 8-Channel Isolated Analog Input Module

The 2550-A is a high-speed 8-channel isolated analog input module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2550-A translates analog input signals into an equivalent digital word.

Features:

- ◆ Fast 4 mSec update time for all 8 channels
- ◆ External isolators not required
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ No external power supply required for module
- ◆ No external current resistor required
- ◆ On-board calculations for 4-20 mA offset inputs

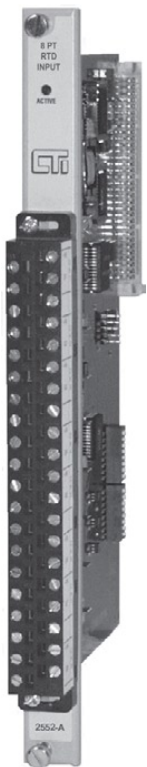


2551-A 8-Channel Isolated Thermocouple Input Module

The 2551-A is a high-speed 8-channel isolated thermocouple input module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2551-A translates thermocouple input signals into scaled temperature values and millivolt input signals into equivalent digital words.

Features:

- ◆ Fast 2 mSec update time per channel
- ◆ Each input configurable for Type J, Type K, or millivolts
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Digital filtering circuit for increased noise immunity

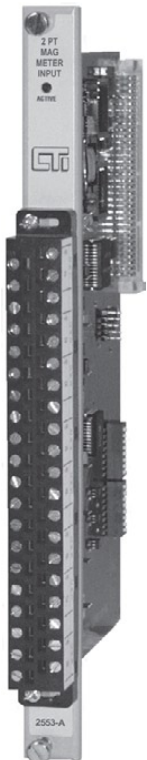


2552-A 8-Channel Isolated RTD Input Module

The 2552-A is a high-speed 8-channel isolated RTD input module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2552-A translates RTD input signals into scaled temperature values and millivolt input signals into equivalent digital words.

Features:

- ◆ Fast 2 mSec update time per channel
- ◆ Supports 100Ω platinum and 120Ω nickel RTDs
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ User selectable digital filtering

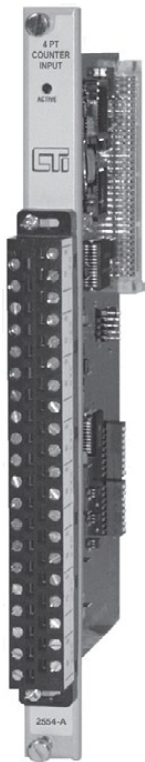


2553-A 2-Channel Mag Meter Input Module

The 2553-A is designed for precise measurement of mag meter or turbine meter pulses both at low speeds and high speeds (Reflex Counter Mode). The 2553-A can also be used to compensate for measurement errors due to wheel wobble (N-tooth counting mode).

Features:

- ◆ Reflex counter
- ◆ N-tooth mode counting
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Reports measurement in frequency or period

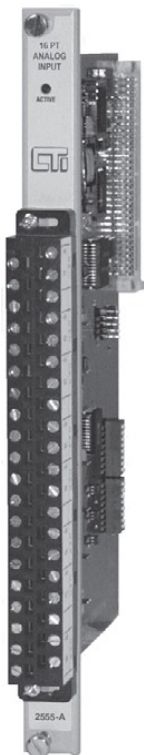


2554-A 4-Channel Isolated High Speed Counter Module

The 2554-A is an isolated 4-channel high-speed counter input module. Each channel can operate in one of three selectable modes: frequency, period, or general counter. In addition, two channels may be configured together for quadrature mode operation.

Features:

- ◆ Single-wide 4-channel high-speed counter
- ◆ Operates in frequency, period, or counter mode
- ◆ External gate and reset inputs on each channel
- ◆ External 1.5A sourcing output per channel
- ◆ Auto-reset option for rapid or random asynchronous events



2555-A 16-Channel Analog Input Module

The 2555-A is a high-speed 16-channel differential analog input module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2555-A translates analog input signals into an equivalent digital word.

Features:

- ◆ Replaces Siemens® 505-2555
- ◆ Fast 6 mSec update time per channel
- ◆ No external power supply required for module
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ 140Vrms channel-to-channel isolation
- ◆ Accepts voltage or current input signals

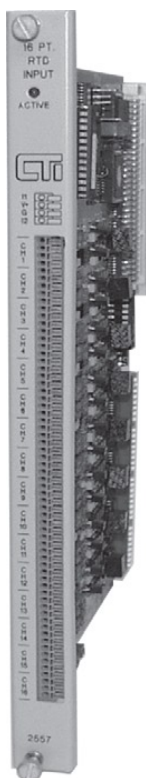


2556 16-Channel Isolated Thermocouple Input Module

The 2556 is a high-speed 16-channel isolated thermocouple input module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2556 translates millivolt level signals from the thermocouple element into a scaled temperature value. Multiple thermocouple types are supported as well as millivolt inputs.

Features:

- ◆ Replaces Siemens® 505-2556
- ◆ 16 bit ADC for each channel
- ◆ Supports J, K, R, S, T, E, and L thermocouples and millivolt inputs
- ◆ Advanced preprocessing with on-board scaling, alarm detection, filtering and averaging
- ◆ Fast 20 mSec update time, open thermocouple detection



2557 16-Channel RTD Input Module

The 2557 is a high-speed 16-channel isolated RTD input module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2557 translates millivolt level signals from the RTD element into a scaled temperature value.

Features:

- ◆ Replaces Siemens® 505-2557
- ◆ 16 bit ADC for each channel
- ◆ Supports 10Ω Cu, 100Ω Pt, and 120Ω Ni RTDs and millivolt inputs
- ◆ Advanced preprocessing with on-board scaling, alarm detection, filtering and averaging
- ◆ Fast 20 mSec update time, open RTD detection and lead resistance compensation
- ◆ Support for 2, 3, or 4 wire RTD elements

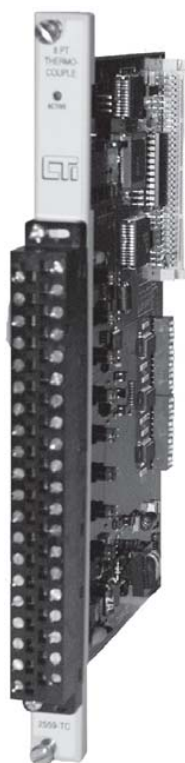


2558 8-Channel Analog Input Module

The 2558 is an 8-channel analog input module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2558 translates analog input signals into equivalent digital words. It is fully compatible with all versions of the Siemens® 545 and 555 PLCs.

Features:

- ◆ Replaces Siemens® 505-6108-A and 505-6108-B with no rewiring
- ◆ 8 analog input channels
- ◆ 140Vrms isolation between channels
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ Supports 16-bit and 13-bit resolution
- ◆ Fast 5 mSec update time for all 8 channels
- ◆ On-board calculations for 4-20 mA offset inputs

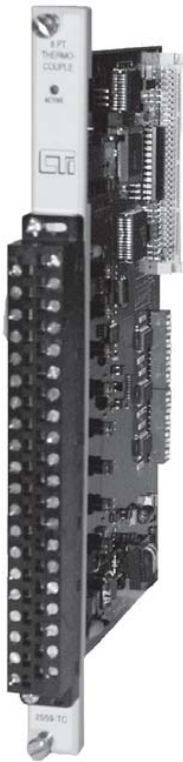


2559-RTD 8-Channel RTD Input Module

The 2559-RTD is a high speed 8-channel RTD input module which translates RTD input signals into scaled temperature values in a CTI 2500 Series or Simatic® 505 I/O base.

Features:

- ◆ Replaces Siemens® 505-7038 with no rewiring
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ Supports 7 RTD probe types in Pt, Cu and Ni.
- ◆ Configurable for 8 resistive values for RTD probe types
- ◆ Supports 2-, 3-, and 4-wire probes
- ◆ Data formats in °F, °C and scaled integer
- ◆ Error reporting and digital filtering

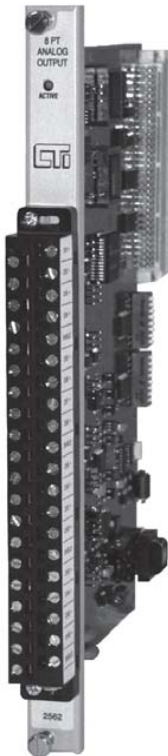


2559-TC 8-Channel Thermocouple Input Module

The 2559-TC is a high-speed, 8-point thermocouple input module which translates millivolt level signals from the thermocouple element into a scaled temperature value in a CTI 2500 Series or Simatic® 505 I/O base. Thermocouple types J, K, T, E, R, S, N, and millivolts are supported.

Features:

- ◆ Replaces Siemens® 505-7028 (requires special I/O connector)
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ Fast 9 mSec update time for all channels
- ◆ No CJC calibration necessary
- ◆ Microprocessor self-diagnostics

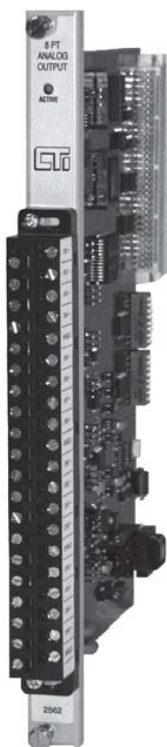


2560-A 8-Channel Isolated Analog Output Module

The 2560-A is a high-speed 8-channel isolated analog output module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2560-A translates a digital word from the controller into equivalent analog outputs.

Features:

- ◆ Voltage and current outputs available simultaneously
- ◆ Fast 0.25 mSec update time per channel
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Unipolar or bipolar applications supported

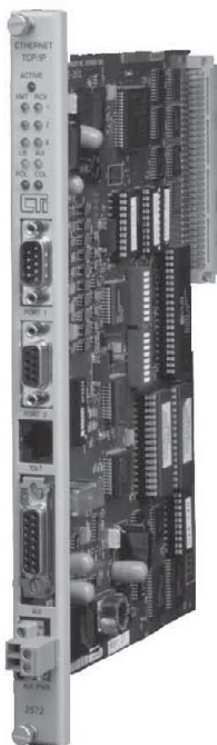


2562 8-Channel Analog Output Module

The 2562 is a low-cost, high-speed, 8-channel analog output module compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2562 translates digital words from the controller into equivalent analog outputs.

Features:

- ◆ Replaces Siemens® 505-6208-A and 505-6208-B with no rewiring
- ◆ 8 analog output channels
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ Fast 4 mSec update time for all channels
- ◆ Voltage and current outputs available simultaneously
- ◆ Bipolar or unipolar outputs per channel

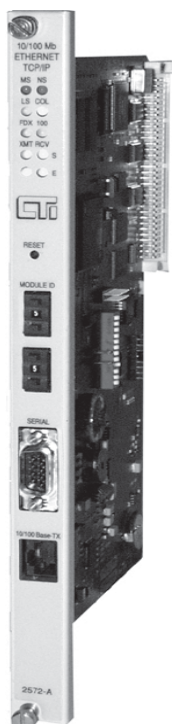


2572 Ethernet TCP/IP Adapter

The 2572 Ethernet TCP/IP Adapter is a network interface module for CTI 2500 Series or Simatic® 505 controllers. The 2572 provides connectivity to networks using IEEE 802.3, Ethernet II and Transmission Control/Internet Protocol (TCP/IP) standards.

Features:

- ◆ Replaces Siemens® 505-CP2572
- ◆ Directly attaches 10BaseT network
- ◆ Attachment User Interface port
- ◆ Two serial program ports
- ◆ TCP/IP support includes UDP and TCP
- ◆ Remote programming over ethernet
- ◆ MMI/HMI connectivity
- ◆ DDE and OPC support available



2572-A Fast Ethernet TCP/IP Adapter

The 2572-A Ethernet TCP/IP Adapter is the next generation Ethernet interface module for CTI 2500 Series or Simatic® 505 controllers. The 2572-A provides connectivity to networks using IEEE 802.3, Ethernet II and Transmission Control/Internet Protocol standards, at 10M or 100M speeds.

Features:

- ◆ Compatible with Siemens® 505-CP2572 and CTI 2572
- ◆ Auto-sensing for 10/100Mbps networks
- ◆ TCP/IP support includes UDP and TCP
- ◆ Remote programming over Ethernet
- ◆ MMI/HMI connectivity
- ◆ DDE and OPC support available
- ◆ DHCP configuration option



2572-AF Fast Ethernet TCP/IP Adapter with Fiber-Optic Connection

The 2572-AF Fast Ethernet TCP/IP Adapter replaces the RJ45 connection on the 2572-A with an MTRJ 100 Mbit direct fiber interface. The 2572-AF provides connectivity to networks using IEEE 802.3, Ethernet II and Transmission Control/Internet Protocol standards, at 100M speeds.

Features:

- ◆ Compatible with Siemens® 505-CP2572, CTI 2572, and CTI 2572-A modules
- ◆ Direct MTRJ Fiber Interface
- ◆ TCP/IP support includes UDP and TCP
- ◆ Remote programming over Ethernet
- ◆ MMI/HMI connectivity
- ◆ DDE and OPC support available

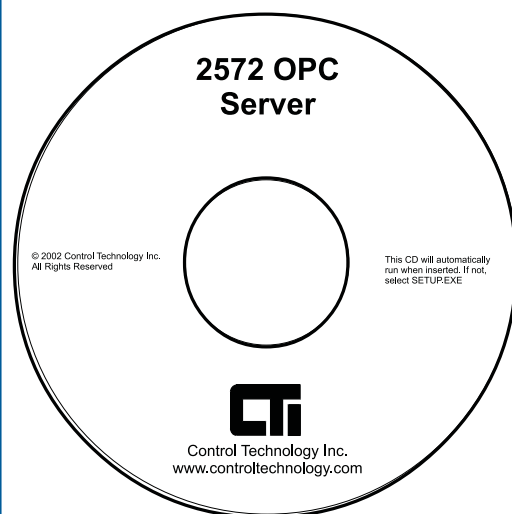


2572-DDS2 Ethernet DDE Server

The 2572-DDS2 DDE Server provides data exchange between DDE client applications and CTI 2500 Series or Simatic® 505 PLCs using the CTI 2572 or 2572-A Ethernet module.

Features:

- ◆ Communicates with multiple 2572 or 2572-A modules
- ◆ Supports multiple topics per module
- ◆ Communicates with multiple network workstations via Wonderware's NetDDE
- ◆ Supports high-speed "Fast DDE" when used with Wonderware InTouch
- ◆ Interfaces with multiple DDE clients and coexists with other DDE servers

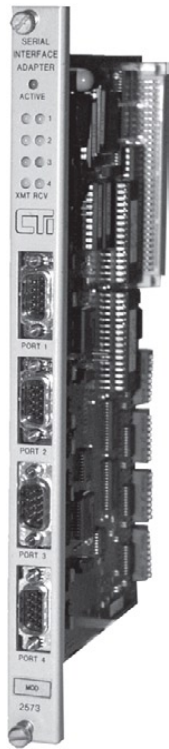


2572-OPC Ethernet OPC Server

The 2572-OPC Ethernet OPC Server provides data exchange between OPC clients and CTI 2500 Series or Simatic® 505 PLCs using the CTI 2572 or 2572-A Ethernet module. The server automatically optimizes data acquisitions based on client demand and includes extensive error handling to ensure data integrity.

Features

- ◆ Supports OPC 1.0 and 2.0 Data Access Specifications
- ◆ Supports up to 16 concurrent serial port and PC card configurations
- ◆ Full Time On-line operation allows on the fly changes
- ◆ Build Diagnostic Interface system with protocol display
- ◆ CSV file import and export of Server Tags for easy configuration on large projects
- ◆ Includes OPC 2.0 Automation Interface and comprehensive Visual Basic examples



2573-MOD Serial Interface Adapter with MODBUS

The 2573-MOD is a microprocessor-based communications adapter for CTI 2500 Series or Simatic® 505 controllers. The 2573-MOD provides support for communicating with plant floor devices such as modems, bar code readers, scales, displays, printers, and other PLCs.

Features:

- ◆ Provides 4 serial ports, each providing RS-422, RS-485, and RS-232 electrical interfaces. All ports operate concurrently and independently.
- ◆ Enables the PLC to act as a master or slave for devices which use Modbus RTU or ASCII protocols
- ◆ Task Code Master support allows the local PLC to access memory in other SIMATIC® 505 or 500 series PLCs



2576 DeviceNet™ Scanner Module

The 2576 interfaces a CTI 2500 Series or Simatic® 505 system to a DeviceNet™ network. The module provides one DeviceNet™ channel which can attach up to 63 network devices. Multiple modules can reside in the same I/O chassis.

Features:

- ◆ DeviceNet™ points appear as a standard PLC I/O
- ◆ RS-232 serial port enables configuration of module and network devices
- ◆ Front panel LEDs allow monitoring of module and network devices
- ◆ Built-in power tap can be used to power DeviceNet™ network



2577 Profibus DP Slave Adapter

The 2577 provides the ability to read any PLC V, WX, X, and C memory location over Profibus.

Features:

- ◆ No changes required to existing PLC configuration and I/O
- ◆ Allows transfer of up to 110 words of data in and 110 words of data out to Profibus Master
- ◆ Maintains statistics and diagnostic information for the Profibus network
- ◆ Auto-senses Profibus baud rate



2580 16-Point Isolated 95-132 VAC Input Module

The 2580 16-point discrete input module accepts sixteen discrete isolated 95-132 VAC inputs to the CTI 2500 Series or Simatic® 505 I/O base.

Features:

- ◆ Replaces Siemens® 505-2580
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Sourcing and sinking applications
- ◆ Indicator LEDs for each channel



2581 16-Point Isolated 12-56 VDC Input Module

The 2581 16-point discrete input module accepts sixteen discrete isolated 12-56 VDC inputs to the CTI 2500 Series or Simatic® 505 I/O base.

Features:

- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Sourcing and sinking applications
- ◆ Indicator LEDs for each channel



2582 16-Point Isolated 125 VDC Input Module

The 2582 16-point discrete input module accepts sixteen 125 VDC discrete isolated inputs to the CTI 2500 Series or Simatic® 505 I/O base.

Features:

- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Sourcing and sinking applications
- ◆ Indicator LEDs for each channel



2585 16-Point TTL / Word Input Module

The 2585 16-point TTL input module accepts sixteen TTL inputs to the CTI 2500 Series or Simatic® 505 I/O base.

Features:

- ◆ Selectable discrete (X) or word (WX) format
- ◆ 1500V channel-to-backplane isolation
- ◆ Sourcing and sinking applications
- ◆ Indicator LEDs for each channel

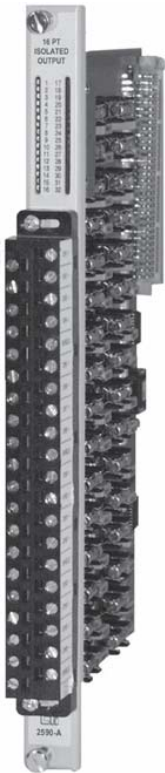


Universal Discrete Input Module 2588-8 8-Point 2589-A 8/16/32-Point

The 2588-8 and 2589-A are designed to accept both AC and DC voltage inputs and are compatible with the CTI 2500 Series or Simatic® 505 I/O base. The 2589-A can be configured to login as 8, 16 or 32-points.

Features:

- ◆ 2588-8 replaces Siemens® 505-4008, 4208, 4308, 4408 with no rewiring
- ◆ 2589-A replaces Siemens® 505-4008, 4016, 4032, 4116, 4132, 4208, 4216, 4232, 4308, 4316-A, 4332, 4408, 4416-A, 4432-A with no rewiring
- ◆ Wide 11V to 250V AC/DC range

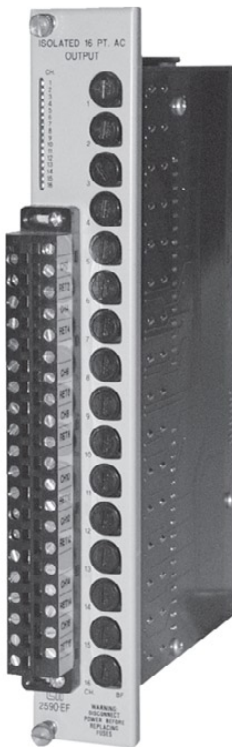


2590-A 16-Point Isolated Discrete 20-132 VAC Output Module

The 2590-A 16-point discrete output module provides sixteen isolated outputs from the CTI 2500 Series or Simatic® 505 I/O base. The 2590-A is designed to switch externally supplied 20 to 132 VAC.

Features:

- ◆ Replaces Siemens® 505-2590-A
- ◆ Supports sourcing and sinking applications
- ◆ 2.0 Amps per output with no-derating
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Outputs individually fused
- ◆ Blown fuse indicator
- ◆ Blown fuse reporting to the PLC

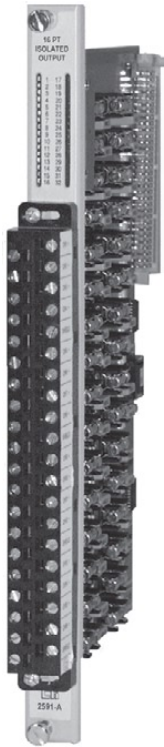


2590-EF 16-Point Isolated 20-132 VAC Output with Front Panel Accessible Fuses

The 2590-EF 16-point discrete output module provides sixteen isolated outputs from the CTI 2500 Series or Simatic® 505 I/O base with front panel accessible fuses.

Features:

- ◆ Supports sourcing and sinking applications
- ◆ Front panel accessible fuses for easier maintenance
- ◆ 2.0 Amps per output with no-derating
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Outputs individually fused
- ◆ Blown fuse indicator
- ◆ Blown fuse reporting to the PLC

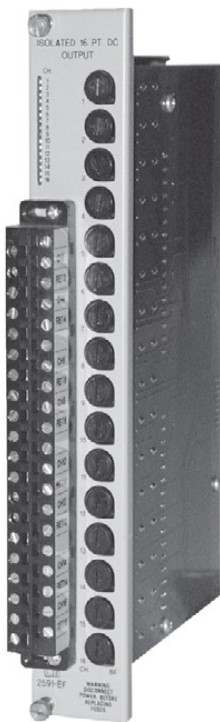


2591-A 16-Point Isolated 11-146 VDC Output Module

The 2591-A 16-point discrete output module provides sixteen isolated outputs from the CTI 2500 Series or Simatic® 505 I/O base. The 2591-A is designed to switch externally supplied 11 to 146 VDC.

Features:

- ◆ Supports sourcing and sinking applications
- ◆ 1.5 Amps per output with no-derating
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Outputs individually fused
- ◆ Blown fuse indicator
- ◆ Blown fuse reporting to the PLC



2591-EF 16-Point Isolated 11-146 VDC Output with Front Panel Accessible Fuses

The 2591-EF 16-point discrete output module provides sixteen isolated outputs from the CTI 2500 Series or Simatic® 505 I/O base with front panel accessible fuses.

Features:

- ◆ Supports sourcing and sinking applications
- ◆ Front panel accessible fuses for easier maintenance
- ◆ 1.5 Amps per output with no-derating
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Outputs individually fused
- ◆ Blown fuse indicator
- ◆ Blown fuse reporting to the PLC

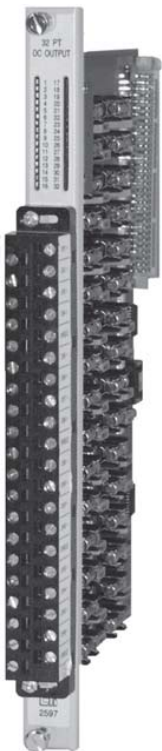


2595 16-Point TTL / Word Output Module

The 2595 16-point TTL output module provides sixteen TTL driven outputs from the CTI 2500 Series or Simatic® 505 I/O base.

Features:

- ◆ Selectable discrete (Y) or word (WY) format
- ◆ Sourcing and sinking applications
- ◆ 1500V channel-to-backplane isolation
- ◆ Indicator LEDs for each channel

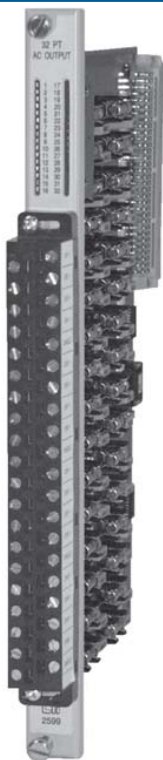


2596-8 8-Point DC Output Module 2596 8/16-Point DC Output Module 2597 8/16/32-Point DC Output Module

These modules provide 8, 16, and 32 11-125 VDC outputs from the CTI 2500 Series or Simatic® 505 I/O base. The solid-state outputs can be used to switch on or off external devices such as pilot lamps, motor starters, or solenoids.

Features:

- ◆ 2596-8 replaces Siemens® 505-4508, 4708
- ◆ 2596 replaces Siemens® 505-4508, 4516, 4708, 4716
- ◆ 2597 replaces Siemens® 505-4508, 4516, 4532, 4708, 4716, 4732
- ◆ Individually fused sourcing outputs
- ◆ Wide 11-125 VDC output range
- ◆ 2.0 Amps per output

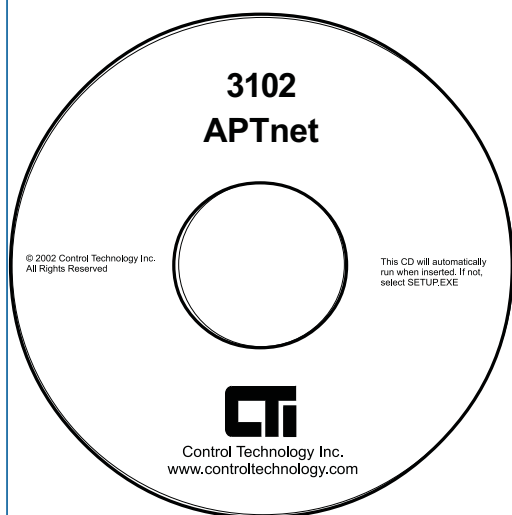


2598-8 8-Point AC Output Module 2598 8/16-Point AC Output Module 2599 8/16/32-Point AC Output Module

These modules provide 8, 16 or 32 11-240 VAC outputs from the CTI 2500 Series or Simatic® 505 I/O base. The solid-state output circuits can be used to switch on or off external devices such as pilot lamps, motor starters, or solenoids.

Features:

- ◆ 2598-8 replaces Siemens® 505-4608, 4808
- ◆ 2598 replaces Siemens® 505-4608, 4616, 4808, 4816
- ◆ 2599 replaces Siemens® 505-4608, 4616, 4632, 4808, 4816, 4832
- ◆ Individually fused sourcing outputs
- ◆ Wide 11-240 VAC output range
- ◆ 2.0 Amps per output



3102 APTnet

With APTnet you can now use APT® to communicate with any CTI 2500 Series or Simatic® 505 system in your plant using Ethernet and the CTI 2572-A.

Features:

- ◆ Connect to any PLC using its IP address
- ◆ Communicate at much higher speeds than possible with serial connections
- ◆ Use any standard PC ethernet card (no longer requires CP1413 / 1416)
- ◆ Perform any operation that was possibly serially, including program upload and download
- ◆ Eliminate compatibility and performance problems when using APT® serially with a new laptop and WIN200 or WINXP



3570A Ethernet Switch

The 3570A Ethernet Switch is a 5 port Industrial Ethernet Switch designed specifically for providing network access to small clusters of factory floor equipment. It withstands harsh production requirements and features spacesaver DIN rail mounting and a redundant power supply connection.

Features:

- ◆ Five Ethernet ports, available in 4 configurations
- ◆ 3570A-5C five RJ45 ports
- ◆ 3570A-1F four RJ45 ports, one fiber port
- ◆ 3570A-2F three RJ45 ports, two fiber ports
- ◆ 3570A-3F two RJ45 ports, three fiber ports
- ◆ Isolated power supply
- ◆ Redundant power supply input
- ◆ 10/100 Mbps with auto-negotiation, auto-crossover, and auto-sensing on all RJ-45 ports

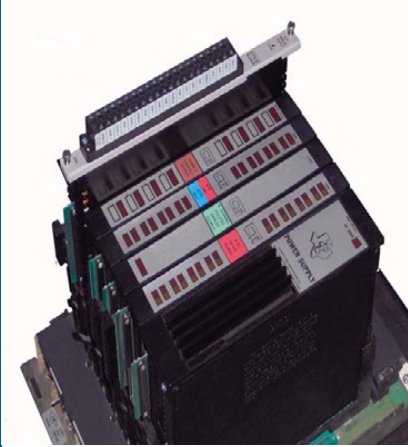


5250-TI5 Access Module for CTI 2500 Series and Simatic® 505

The 5250-TI5 is used with CTI 2500 Series or Simatic® 505 programmable controllers. It monitors and permits adjustment of any timer, counter, relay (CR, X, Y), or V memory location. The 5250-TI5 also allows display of password protected locations and discrete I/O states and 80 character user defined messages.

Features:

- ◆ DOS-based configuration software
- ◆ PLC diagnostic, alarm and error message display
- ◆ Context-sensitive text screens



2500-IADP I/O Adapter for Series 500

The 2500-IADP is an I/O Adapter which allows the use of CTI 2500 Series I/O modules in Texas Instruments Series 500 I/O bases. It provides a transparent path for upgrading old Series 500 systems without the requirement to completely replace the system.

Features:

- ◆ Provides mechanical and electrical adaptation of CTI 2500 series I/O modules to operate in a Series 500 base
- ◆ Compatible with all CTI 2500 Series discrete and analog I/O modules
- ◆ Allows replacement of failed Series 500 I/O modules with inexpensive and widely available CTI 2500 Series modules



2500-PADP Power Supply Adapter for Series 500

The 2500-PADP is a Power Supply Adapter which allows the use of CTI 2500 Series Power Supplies in Texas Instruments Series 500 I/O bases. It provides a transparent path for upgrading old Series 500 systems without the requirement to completely replace the system.

Features:

- ◆ Provides mechanical and electrical adaptation of CTI 2500 series power supplies to operate in a Series 500 base
- ◆ Compatible with all CTI 2500 Series power supplies
- ◆ Allows replacement of failed Series 500 power supplies with inexpensive and widely available CTI 2500 Series modules

Hvis din TI 520/530 CPU er blevet for langsom eller dens kapacitet blevet for lille, så opgrader/konverter den.

Løsningen ligger lige for, og er både økonomisk og teknisk fornuftig!

RBC (Remote Base Controller) 500-5114-B er den helt rigtige genvej til højere hastighed og øget kapacitet.

Mange CPU'ere i TI 500-serien lever hverken op til de hastigheder eller den kapacitet, der i dag kræves af et automationsanlæg. At udskifte til nyt er både omkostningstungt og besværligt, men med den nye RBC 500-5114-B er det heller ikke nødvendigt.

Installationen af RBC'en er hurtig og helt problemløs:

- Tag backup på det eksisterende PLC-program
- Monter en ny TI505/CTI base med CPU og Power Supply
- Tilslut et 500-5601, Belden 124 ohm til I/O porten
- Udtag den gamle TI 500 CPU og erstat det med det nye RBC 500-5114-B kort
- Tilslut efterfølgende baser på samme måde
- Download dit PLC-program i den nye CPU
- Tildel ny base (505 base=00, første 500 base=01..)
- Test ombygningen og indkør anlægget

Ved opgradering af CPU kapaciteten er det nu muligt at udvide I/O kapaciteten i 505 basen samt tilslutte PROFIBUS-net.

Opgraderingen giver også mulighed for tilslutning til Ethernet (TCP/IP) med CTI 2572 A eller DigiOne IAP.

OBS: CTI kan leverer nye CPU'ere med større kapacitet:

TI 545-1105 erstattes af CTI 2500-C100 **+33%**

TI 545-1106 erstattes af CTI 2500-C200 **+33%**

TI 555-1105 erstattes af CTI 2500-C300 **+33%**

TI 555-1106 erstattes af CTI 2500-C400 **+50%**



FasTrak

SOFTWARES, INC.

Continuum software solutions for industrial automation

FasTrak Releases PLC WorkShop for Siemens 505 v3.60, SP3

FasTrak SoftWorks, Inc. is pleased to announce the newest release of PLC WorkShop for Siemens 505 Version 3.60, SP3, the only product on the market that supports all Windows operating systems from Windows 95 through Windows XP. We have upgraded this software with a number of optimizations, designed to save you time and money, including:

- Headers that can now import FSS files that use shared address documentation
- Enhanced importing of files created in Excel and address documentation from VP5 files
- Increased allowable tables and fields in Shared Doc wizard

Visit www.fast-soft.com to update to PLC Workshop for Siemens 505 – v3.60, SP3. If you are a site license customer, refer to the Site License Upgrades section of the Product Updates page. You will be prompted to enter your name and password and select the appropriate software. In addition to downloading the latest version of the software, you will also run a Site License Setup. If you do not know your password, see your software administrator or librarian.

PLC WorkShop for Siemens 505 is a full 32-Bit Windows application that supports the entire line of Siemens Simatic/TI 505 processors. This software offers the ability to import all TISOFT files in seconds and use TISOFT hotkeys; complete support of RLL, Special Function Programs and Subroutines, and Alarms and Loops including Power Math functions in 555 and 575. Choice of communications include Serial, TCP/IP, H1, FMS, TIWAY, Modem, AutoBaud, and NITP.

FasTrak SoftWorks, Inc. is a leading provider of **PLC programming** and **SCADA** software for Siemens, Modicon, Allen-Bradley, and Square D. We bring over 22 years of experience to factory automation. When you contact FasTrak for support, you will receive **immediate and accurate solutions** to your questions and have access to the engineers who designed the software resulting in less downtime. **Pricing is affordable** and competitive, and unlimited and various-size site licenses are offered.

Visit www.fast-soft.com to download a free demo.

Telephone: 7020 4840

Fax: 7020 4847

Email: gm@greenmatic.dk

FasTrak

Continuum software solutions for industrial automation

SOFTWORKS, INC.

505 WorkShop vs. TISOFT

Windows Compatibility

Us: Designed and tested under Windows 95, 98, NT, 2000, Millenium, and XP.

Them: Known problems with various Windows versions. Particularly Windows 2000 and XP.

Processor Support

Us: Supports the entire line of Siemens Simatic/TI 505 processors including 520, 520C, 525, 530, 530C, 535, 545-1101 through 545-1106, 555-1101 through 555-1106, 560, 560T, 565, 565T, and 575-2102 through 575-2106 with Power Math. This is a complete replacement for TISOFT.

Them: Does not fully support the 545-1105/1106 and 555-1105/1106 processors. No support for SmarTune. No support for extended Loop and Alarm functions. Must use 505 WorkShop.

Communications Support

Us: Supports all methods of communications including serial (COM1 - COM4), CTI - TCP/IP, Ethernet H1, FMS, TIWAY, Modem, AutoBaud and NITP communications.

Them: New computers now disable DOS serial port support for Windows.

Speed

Us: A full 32 bit Windows implementation guarantees the fastest product on the market. Fastest upload/download, logic status, data updates, cross reference, printouts, etc.

Them: No Windows capability.

TISOFT File Imports

Us: 505 WorkShop allows you to upgrade in seconds with an easy import of all your TISOFT files.

Them: No upgrades available.

TISOFT Hotkeys

Us: A TISOFT mode allows the use of your familiar TISOFT hotkeys to shorten the learning cycle while benefiting from the additional power of standard Windows functions like cut, copy, and paste.

Them: DOS only capability.

SCADA

Us: Built-in SCADA capabilities - Data Logger and Trender with high speed, reliable OPC communications. Fully ControlShop compatible and upgradable.

Them: None.

Product Updates

Us: Regular product updates are available by convenient download from the FasTrak website. Provide us your email address and we will drop you a note whenever a new release is available.

Them: No updates available. TISOFT development has been terminated.

List Prices

Single User License
Part# P-SM505-CW

Ten Pack Site License (Keyless)
Part# P-SM505-1W

Eight User License
Part# P-SM505-8W

Unlimited Site Licenses (Keyless)
Part# P-SM505-SW

1 Year upgrade Licens
Part# A-SM505-CR

Site Licenses

Keyless site licenses are available. No more tracking or losing hard keys or soft key authorizations.

Annual Maintenance Agreements

Us: After expiration of the warranty period, maintenance agreements are available on an annual basis, which include unlimited technical support and product updates. Regular product releases are made adding new features and capabilities. Users are notified regularly by email of updates as they become available for download from our website (www.fast-soft.com).

Them: No updates available. TISOFT development has been terminated.

Customer Service

Us: We pride ourselves on our personalized support. You no longer have to negotiate an impersonal phone support system or wait for a call back to get help. Get to know your FasTrak support representative on a "first name" basis. This is typical of our "hand-shake" customer relationship. As a software only company, we are optimally structured to service and support software products. We provide direct support of our software including access to the engineers who designed and wrote 505 WorkShop.

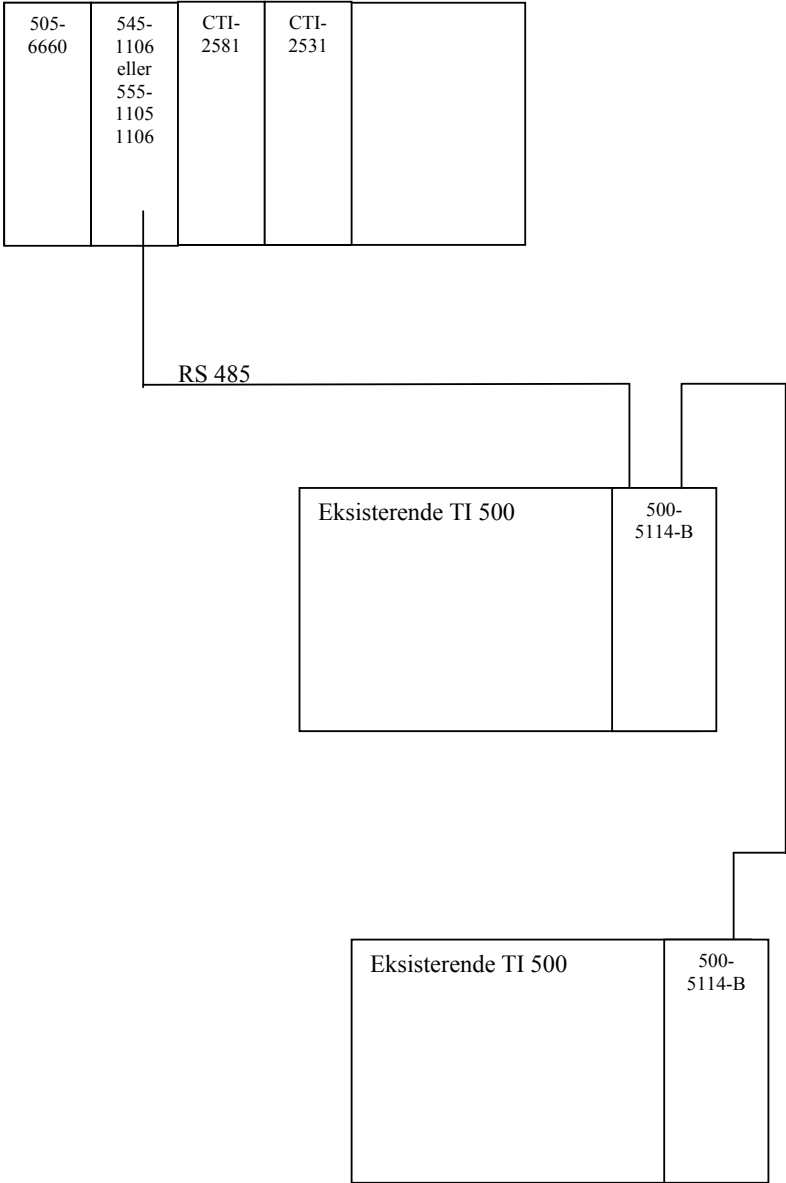
Them: As a multi-billion dollar corporation, Siemens is structured to support thousands of predominantly hardware products in hundreds of support areas. As a brand labeled product, Siemens provides indirect product support by a service pool entrusted with the support of numerous Siemens products. This often results in a limited level of product expertise.

Product Development/Ownership

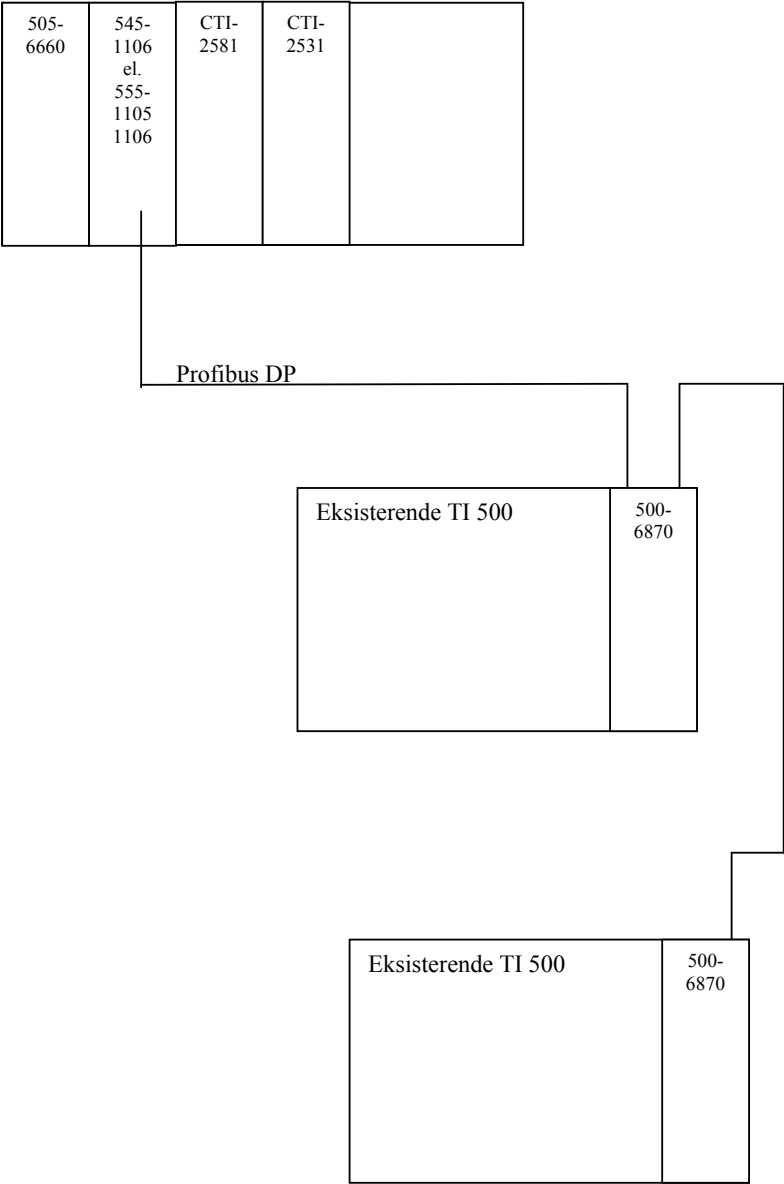
Us: More 17 years in PLC programming business, we have a depth of experience which includes an engineering staff averaging over 12 years of employment at FasTrak. Brand labeled by Siemens (LAD90 for S5 processors and 505 SoftShop for TI/505 processors), Square D (SY/MATE Plus), Westinghouse, and Cutler-Hammer, many PLC manufacturers have recognized and depended on FasTrak's engineering expertise.

Them: Shortly after acquiring the automation business of Texas Instruments including the TI505 processors and the TISOFT software product, Siemens struck a deal with FasTrak to brand label the FasTrak 505 WorkShop, which supported the TI 505 processors, as 505 SoftShop. As a complete Windows upgrade for TISOFT, 505 SoftShop was recognized as a necessary step to modernize the programming software for the 505 processors and to enable needed functionality to be added to the 505 processors and to the programming software.

TI 500 opgraderet til TI505

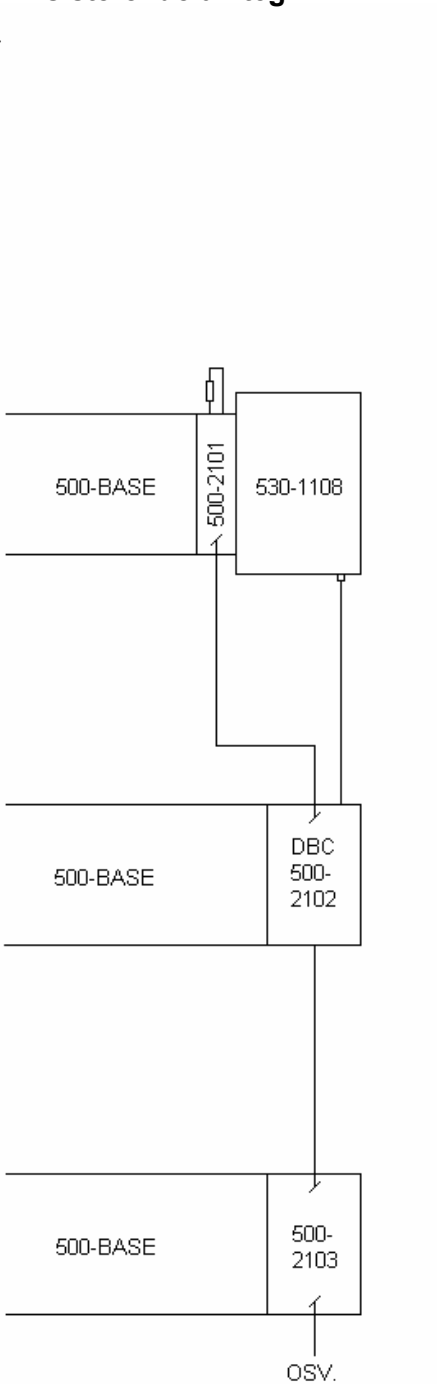


TI 500 opgraderet til TI505

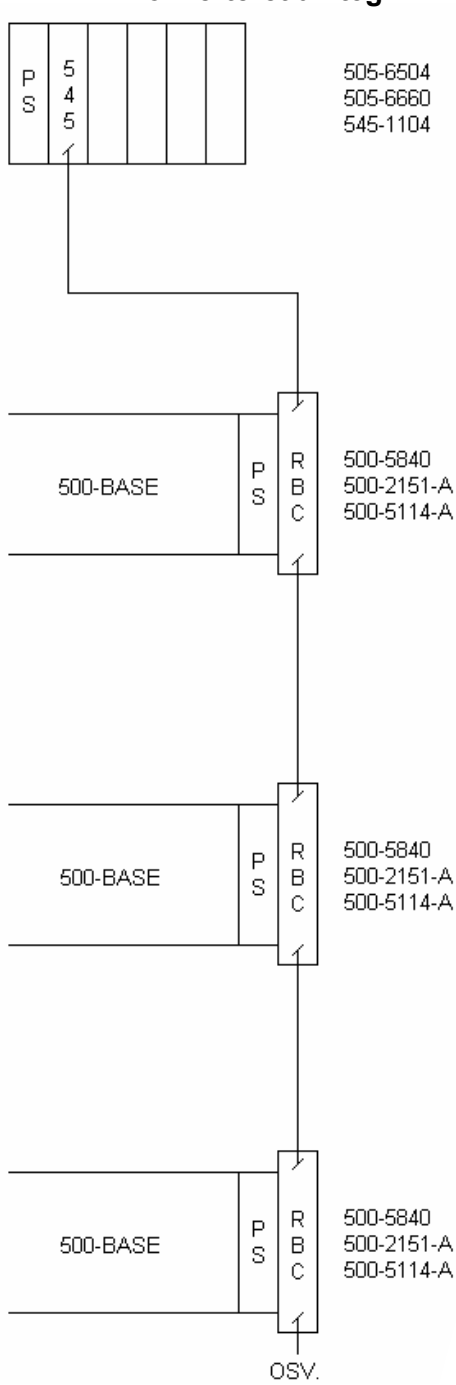


TI 530-545-110X

Eksisterende anlæg

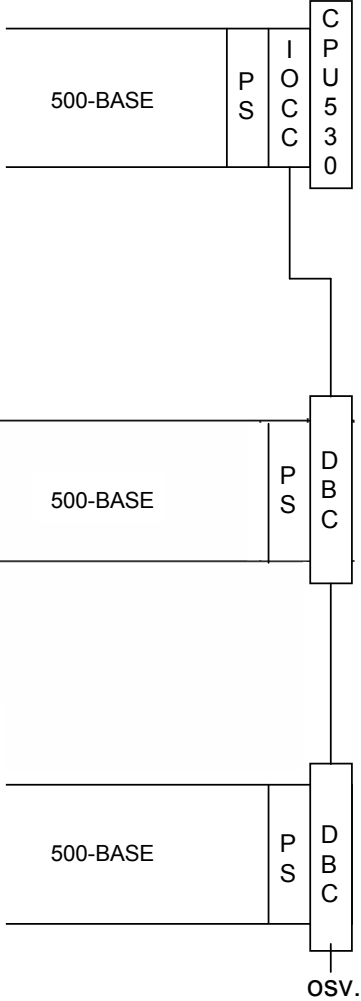


Konverteret anlæg

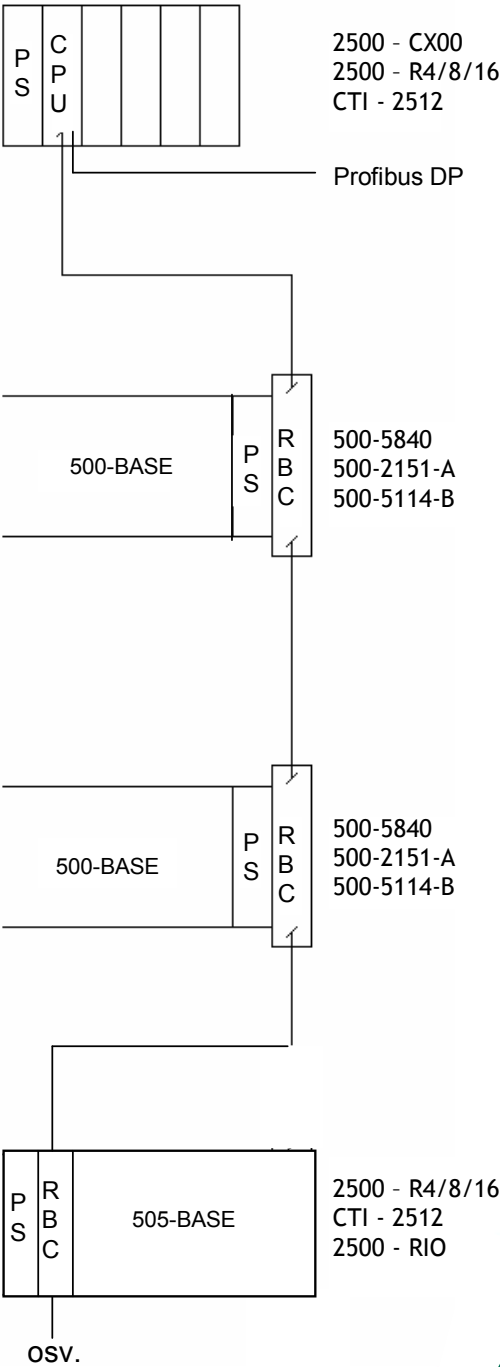


530 – CTI 505

Eksisterende anlæg

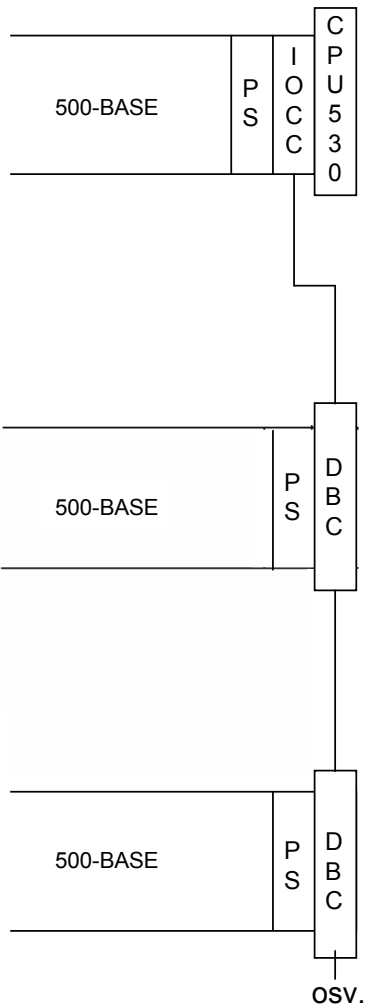


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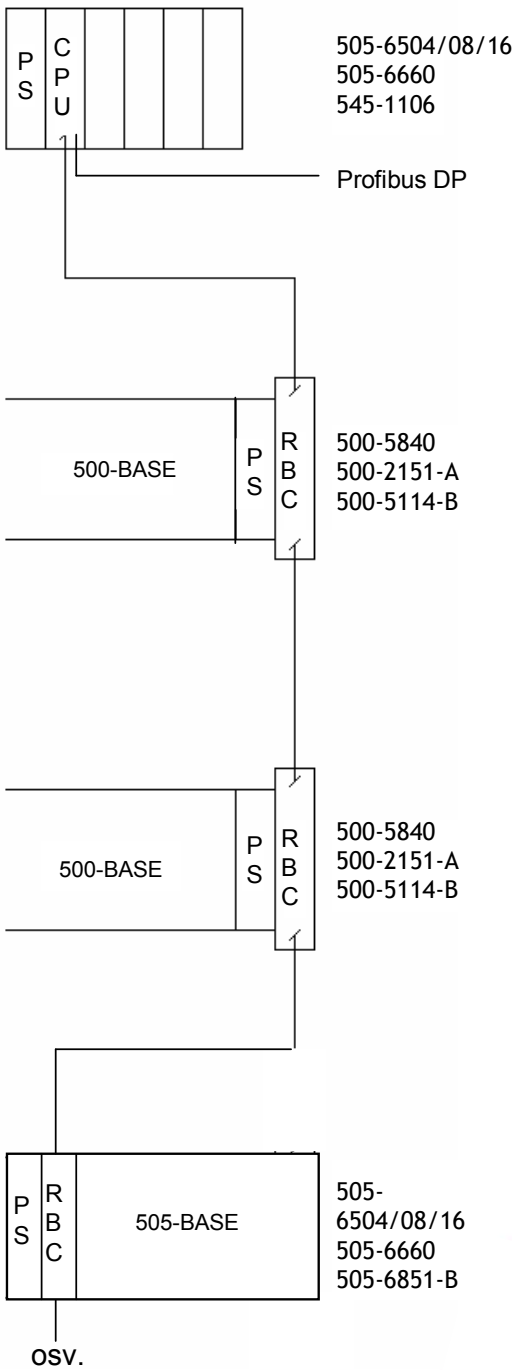


530 – 505

Eksisterende anlæg

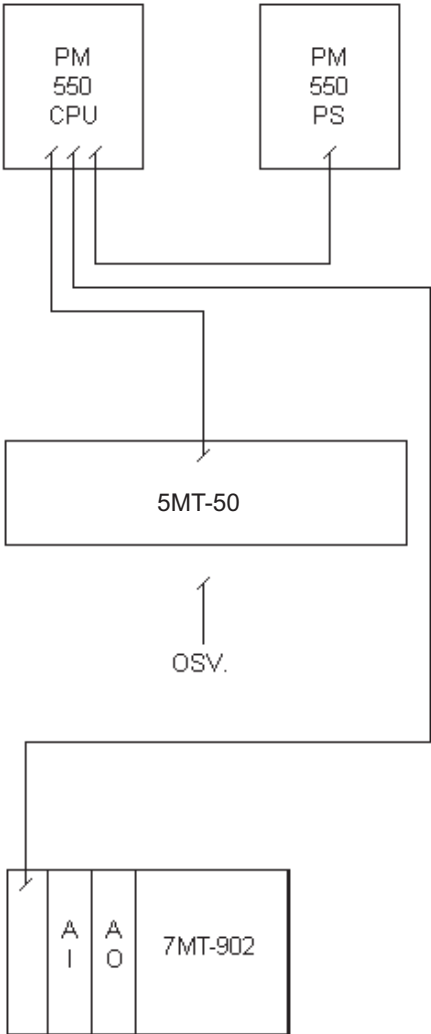


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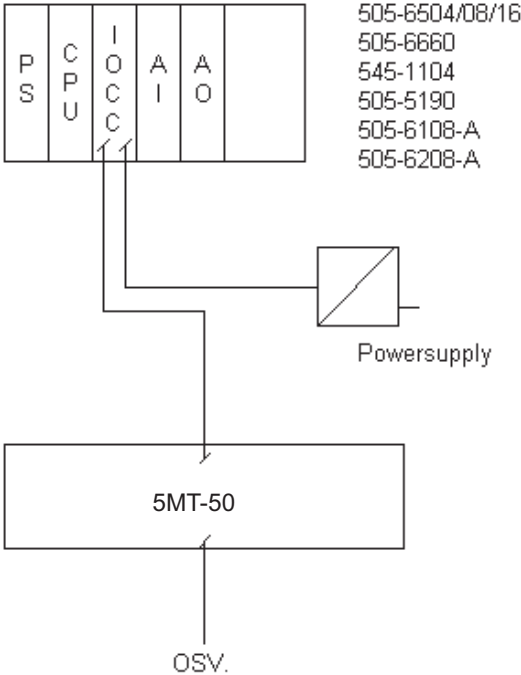


PM 550 - CTI 505

Eksisterende anlæg

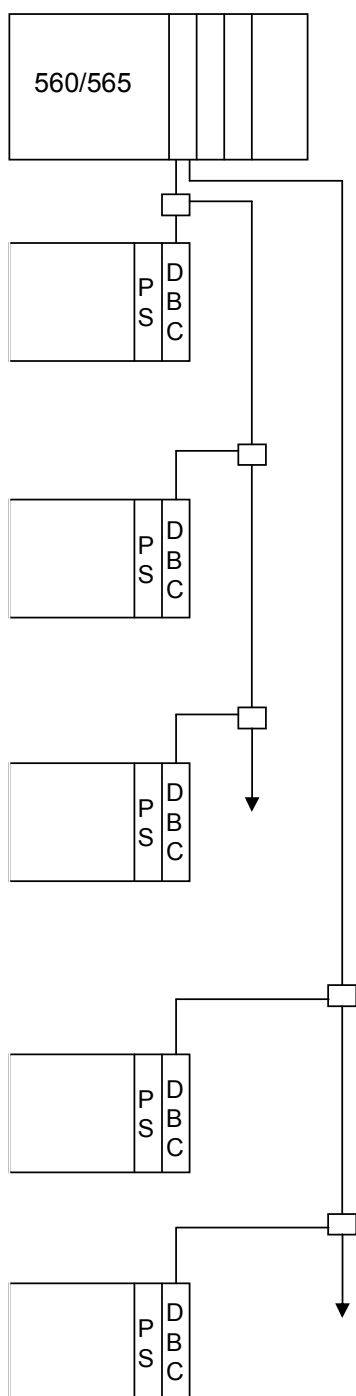


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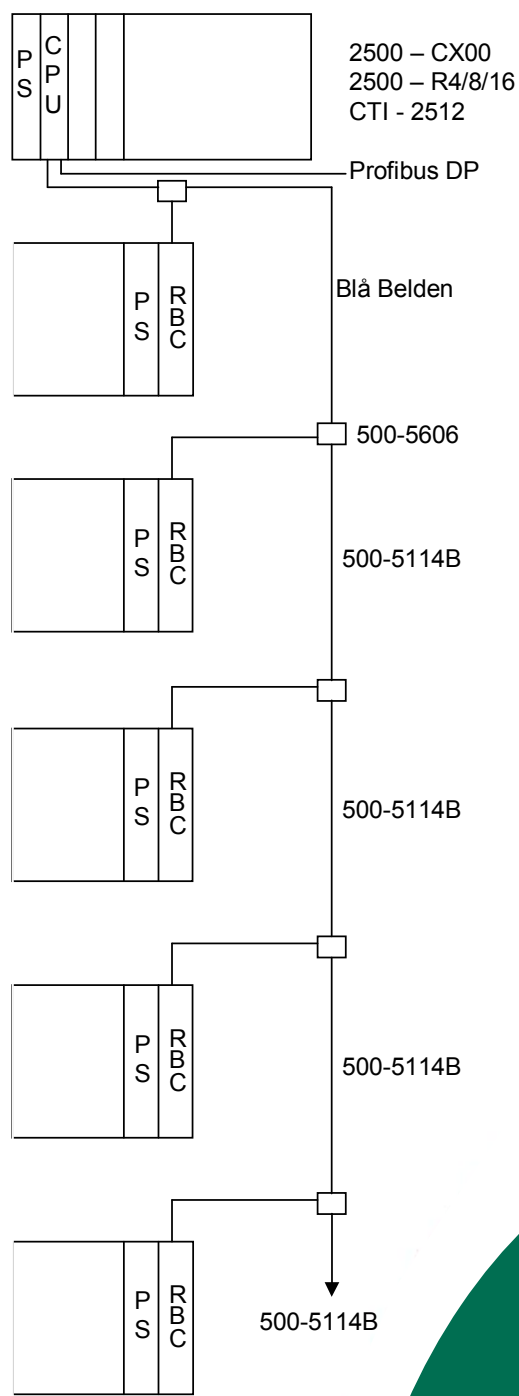


560/565 – CTI 505

Eksisterende anlæg

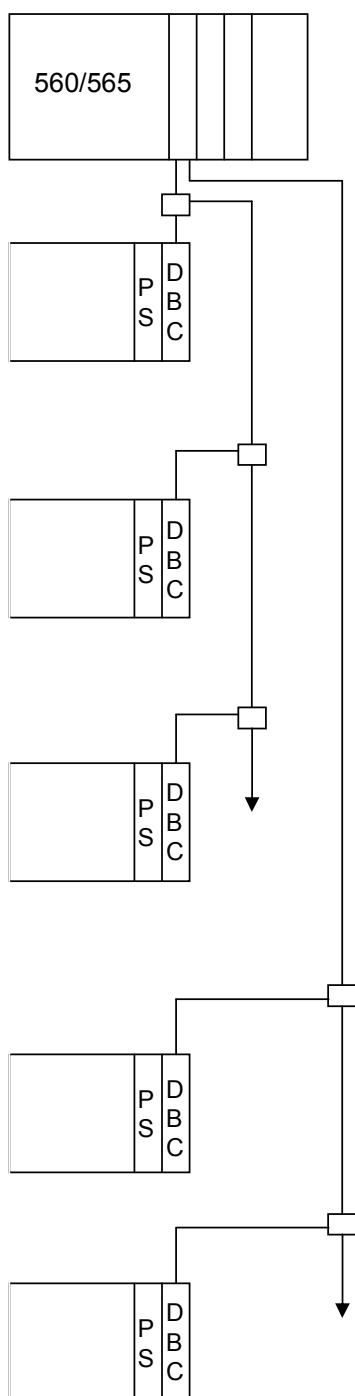


Konverteret anlæg

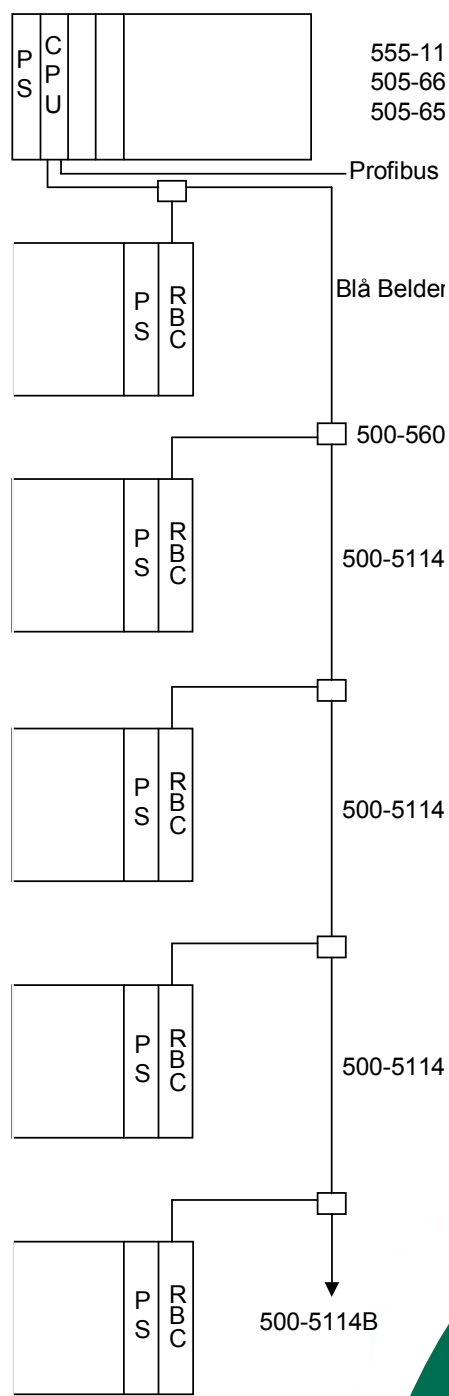


560/565 - 505

Eksisterende anlæg



Konverteret anlæg



2500-PADP Power Supply Adapter for Series 500



Description

The 2500-PADP is a Power Supply Adapter which allows the use of CTI 2500 Series Power Supplies in Texas Instruments Series 500 I/O bases. It provides a transparent path for upgrading old Series 500 systems without the requirement to completely replace the system.

Failed 500 Series Power Supplies can be replaced with CTI 2500 Series supplies. Then, when your budget allows, you can plan a complete replacement of your system to CTI 2500 Series - *without losing your investment in the replaced power supplies.*

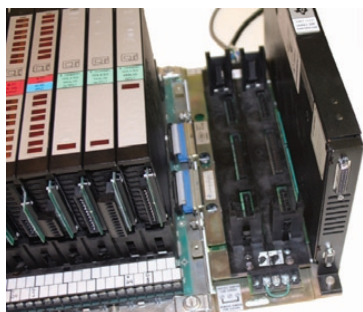
Features

- Series 500 base format
- Provides mechanical and electrical adaptation of CTI 2500 series power supplies to operate in a Series 500 base
- Compatible with all CTI 2500 Series power supplies
- Allows replacement of failed Series 500 power supplies with inexpensive and widely available CTI 2500 Series supplies
- Allows you to plan system upgrade according to your budget
- Preserves your investment in replacement power supplies

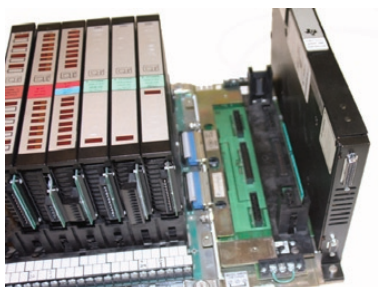
Compatibility

- Compatible with 500-5840 Adapter used in conjunction with 500-5828 16-slot redundant base or 500-5864 8-slot redundant base
- Not compatible with 500-5848 14-slot base, 500-5884 12-slot base, or 500-5892 6-slot base

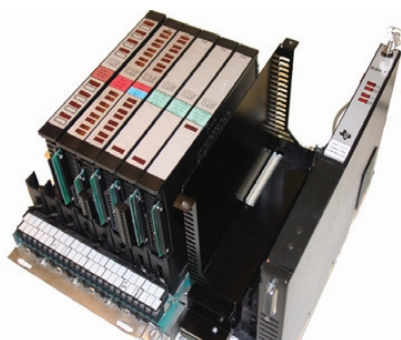
Installation Instructions



1. Remove the existing Series 500 Power Supply from the base



2. Remove the plastic power supply housing (held in place by two screws).



3. Install the 2500-PADP metal housing in place of the old plastic housing. Secure with two retaining screws



4. Install the new 2500 Series power supply in the housing, secure the thumb screws, and attach input power.

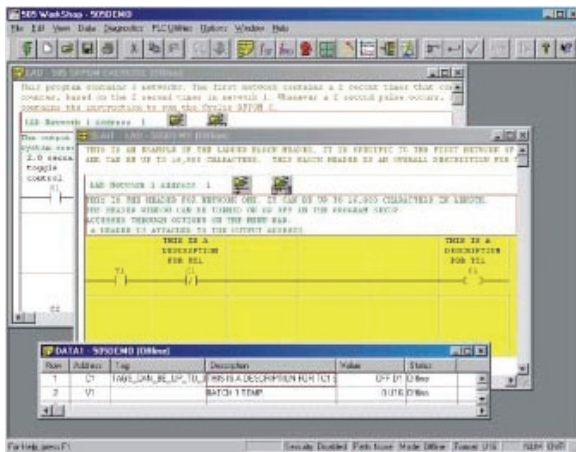
WARNING:

Disable all power to the Series 500 base before installing or removing the Power Supply Adapter. Failure to do so could cause damage to the equipment or injury to personnel.

PLC WorkShop™ for Siemens 505™ is one of the world's most powerful and exciting programmable logic controller (PLC) programming applications. It supports the entire line of Siemens Simatic 505 / TI PLCs, is easy to use, has built-in SCADA capabilities, has the ability to track program changes (Activity Audit Trail), and offers powerful security utilizing NT authentication. *PLC WorkShop for Siemens 505* is a full 32-bit product, and the only 505 software product on the market that fully supports all Windows 95 through Windows XP.

PLC WorkShop for Siemens 505 is the universal solution offering features that save time and money:

- Symbolic programming
- Cut, Copy, and Paste commands
- Instruction toolbar and mnemonics
- Multiple windows views and editing
- Flexible program setup
- Ability to write, read, and force addresses from the Data Window
- Multiple documentation options
- Online Help



505 Simulator

Save time and money with *505 Simulator™*, the only software of its kind available for Siemens 505 PLCs. Use the simulator to test and debug ladder logic, SF, PID loops, Analog alarms, and I/O—all without the use of expensive hardware.

Use a Competitor Product?

To ease your transition, TISOFT™ files can be loaded, and familiar TISOFT kotkeys and mnemonics can be used. SoftShop™ files can also be loaded and used.

With *PLC WorkShop for Siemens 505* you can:

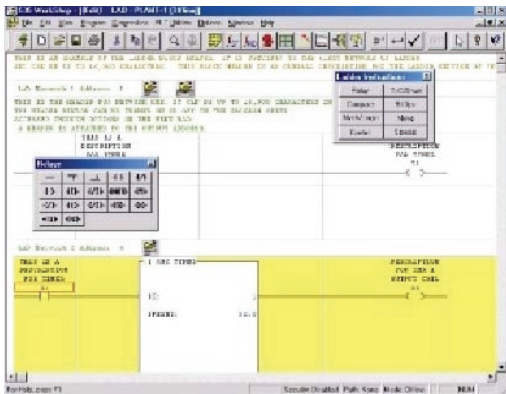
- Open several online and / or offline programs simultaneously
- Quickly upload and download logic and update data
- Import TISOFT files in seconds and use familiar TISOFT hotkeys
- Track addresses through convenient cross referencing
- Choose from numerous print options including Print Preview

PLC WorkShop for Siemens 505 offers complete support of:

- Relay Ladder Logic (RLL)
- Special Function Programs and Subroutines
- Alarms and Loops
- Power Math functions in Siemens Simatic 555 and 575 TI PLCs
- All methods of communications including Serial with modem support (COM1 – COM4), TCP/IP, H1, FMS, and Serial TIWAY

When you order *PLC WorkShop for Siemens 505* you will receive:

- *PLC WorkShop for Siemens 505* with COM PROFIBUS Software CD
- *PLC WorkShop for Siemens 505* Manual
- COM PROFIBUS Reference Manual
- Siemens Simatic / TI 505 Programming Reference Manual
- Unlimited product upgrades and customer support during the first year (see Specifications for details)
- FasTrak Key to attach to your computer's parallel or USB port if applicable (Keyless site licenses are also available)



SPECIFICATIONS

Product Upgrades

Regular product upgrades may be obtained by convenient download from www.fast-soft.com. Notifications via email are sent for all major feature releases.

Customer Service

When you contact us for support, you will receive immediate and accurate solutions to your questions resulting in less downtime. You will have access to the engineers who design our software packages.

Site Licenses

Keyless site licenses are available, which eliminate tracking and losing keys.

Annual Maintenance Agreements

Following expiration of the one-year warranty period, maintenance agreements—which include unlimited technical support and product upgrades—are available for purchase on an annual basis.

PLC Support

Supports the entire line of Siemens Simatic / TI PLCs including:

500 Series: **520** 1101; **520C** 1101, 1102; **525** 1102, 1104; **530** 1102, 1004, 1008; **530C/T** 1104, 1108, 1112; **535** 1104, 1108, 1112; **560** 2120; **565** 2120; **560T** 2820; **565T** 2820

505 Series: **545** 1101–1106; **555** 1101–1106; **575** 2102 – 2106

Windows Compatibility

Designed and tested under Windows 95, 98, Millennium, NT, 2000, and XP.

Speed

Full 32-bit Windows implementation allows for fast uploading and downloading of logic, data updating, cross referencing, printing, and other functions.

Ease of Use

Allows advantage of powerful Windows functions such as Cut, Copy, and Paste.

Communications Support

Supports all methods of communications including Serial with modem support (COM1– COM4), TCP/IP, H1, FMS, and Serial TIWAY.

SCADA

Contains built-in SCADA capabilities for up to 5 data points including data logging and trending with high speed, reliable OPC communications. *PLC WorkShop for Siemens 505* is fully compatible with the full version of FasTrak SoftWorks *ControlShop*.

NT Security

Incorporates one-time, server-based security configuration, complete administrator control of all editing, save and load functions, documentation, program set-up, and auditing of all user operations.

Activity Audit Trail

Provides you with the ability to track the program changes you make.

TISOFT Conversion

To ease your transition from TISOFT, TISOFT files can be loaded, and familiar TISOFT hotkeys and mnemonics can be used.

SoftShop Conversion

To ease your transition from SoftShop, SoftShop files can be loaded and used.

Competitor Comparison		PLC WorkShop for Siemens 505	SoftShop	TISOFT
Site Licenses	Keyless site licenses are available. No fear of tracking or losing hard keys; no soft key authorizations.	■	■	
Product Upgrades	Regular product upgrades are available.	■	■	
	Improved continually, averaging two new feature releases per year.	■	■	
	You will be notified via email when new feature releases are available.	■		
	You may request features for future releases.	■		
Customer Service	When contacting technical support, you will receive immediate and accurate solutions to your questions resulting in less downtime.	■		
	You will have access to the engineers who designed the software packages.			
Annual Maintenance Agreements	Following expiration of the one year warranty period, maintenance agreements are available on an annual basis. Maintenance agreements include unlimited technical support and enhanced feature releases.	■	■	
PLC Support	Supports the entire line of Siemens Simatic / TI PLCs.	■	■	
Windows Compatibility	Designed and tested under Windows 95, 98, Millennium, NT, 2000, and XP.	■	■	
Speed	Full 32-bit Windows allows for fast uploading and downloading of logic, data updating, cross-referencing, printing, and other functions.	■	■	
Ease of Use	Allows advantage of powerful Windows functions such as Cut, Copy, and Paste.	■	■	
Communications Support	Supports all methods of communications including Serial with modem support (COM1 – COM4), TCP/IP, H1, FMS, and Serial TIWAY.	■	■	
SCADA	Built-in SCADA capabilities include data logging and trending with high speed, reliable OPC communications (5 data points).	■	■	
	Fully compatible with FasTrak SoftWorks ControlShop.			
NT Security	Incorporates one-time, server-based security configuration, complete administrator control of all editing, save and load functions, documentation, program set-up, and auditing of all user operations.	■		
Activity Audit Trail	Provides the ability to track program changes.	■		

PLC WorkShop, 505 Simulator, and ControlShop are trademarks of FasTrak SoftWorks, Inc. Simatic is a registered trademark, and 505, S5, TISOFT, and SoftShop are trademarks of Siemens. Windows is a registered trademark of Microsoft Corporation. Other product names mentioned herein are used for identification purposes only and may be trademarks of their respective companies.